

OTTER and SHRIMP TRAWL SAMPLING PRIORITIES

- **At a minimum 75% of the hauls** should be observed, *i.e.* complete catch information for both kept and discarded species is recorded. The number of hauls observed will be affected by trip and tow duration.
- Collection of length frequencies and age structures should occur **at least** after every other observed haul.
- If catches are light and time permits, the observer should sample every haul.
- Otter trawl fishery: obtain actual weights for as many species as possible.
- Shrimp trawl fishery: obtain actual weights for all discarded species.

If it is not possible to biologically sample a particular haul according to protocol, the reason(s) should be noted in the comments section of the corresponding [Haul Log](#).

Table 1b. Length frequency and age structure sampling priorities in the otter trawl fisheries.

Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Gulf of Maine (Statistical areas 511-515)					George's Bank (Statistical areas 522, 525, 526, 561, 562)				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Cod, Atlantic	1	1	1	1	Butterfish	2	2	2	2
Cusk	2	2	1	1	Cod, Atlantic	1	1	1	1
Dogfish, Spiny	2	2	-	-	Cusk	2	2	1	1
Flounder, Am. Plaice	1	1	1	1	Dogfish, Spiny	2	2	-	-
Flounder, Winter	1	1	1	1	Flounder, Am. Plaice	2	2	2	2
Flounder, Witch	1	1	1	2	Flounder, Sand Dab	2	2	2	2
Flounder, Yellowtail	1	1	1	1	Flounder, Summer	2	2	2	2
Haddock	1	1	1	1	Flounder, Winter	1	1	1	1

Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-
Hake, White	1	1	1	1
Herring, Atlantic	2	2	-	-
Monkfish	1	1	1	1
Pollock	1	1	1	1
Redfish	2	2	2	2
Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	-	3	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Wolffish	2	2	-	-

Flounder, Witch	2	2	2	2
Flounder, Yellowtail	1	1	2	2
Haddock	1	1	1	1
Hake, Red	3	3	-	-
Hake, Silver	3	3	-	-
Hake, White	1	1	1	1
Herring, Atlantic	2	2	-	-
Lobster, American	2	2	-	-
Monkfish	1	1	1	1
Ocean Pout	2	2	-	-
Pollock	1	1	1	1
Redfish	2	2	2	2
Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	-	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	3	3	-	-
Squid, Short-fin	3	3	-	-
Wolffish	2	2	-	-

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Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Cape Cod (Statistical area 521)					Southern New England offshore (Statistical area 537)				
Bluefish	3	3	3	3	Bluefish	3	3	3	3
Butterfish	3	3	3	3	Bonito	3	3	-	-
Cod, Atlantic	1	1	1	1	Butterfish	1	1	1	1
Cusk	2	2	1	1	Cod, Atlantic	2	2	2	2
Flounder, Am. Plaice	3	3	3	3	Dogfish, Spiny	2	2	-	-
Flounder, Sand Dab	2	2	2	2	Flounder, Sand Dab	2	2	2	2
Flounder, Summer	1	1	1	1	Flounder, Summer	1	1	1	1
Flounder, Winter	1	1	1	1	Flounder, Winter	1	1	1	1
Flounder, Witch	2	2	2	2	Flounder, Yellowtail	1	1	1	1
Flounder, Yellowtail	1	1	1	1	Hake, Red	3	3	-	-
Haddock	2	2	1	1	Hake, Silver	2	2	-	-
Hake, Red	3	3	-	-	Herring, Atlantic	2	2	-	-
Hake, Silver	3	3	-	-	Mackerel, Atlantic	2	2	2	2
Hake, White	1	1	1	1	Monkfish	1	1	1	1
Herring, Atlantic	2	2	-	-	Ocean Pout	2	2	-	-
Mackerel, Atlantic	3	3	3	3	Scup	1	1	1	1
Monkfish	1	1	1	1	Sea Bass, Black	1	1	1	1

Pollock	1	1	1	1
Redfish	2	2	2	2
Skate, Barndoor	-	2	-	-
Skate, Little	2	2	-	-
Skate, Smooth	2	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	2	2	-	-
Squid, Short-fin	2	2	-	-
Tautog	3	3	-	-
Wolfish	2	2	-	-

Skate, Barndoor	-	2	-	-
Skate, Clearnose	3	3	-	-
Skate, Rosette	3	3	-	-
Skate, Little	2	2	-	-
Skate, Smooth	3	3	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	2	2	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	2	2	-	-
Tautog	3	3	-	-

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Species	Length Frequencies		Age Structures		Species	Length Frequencies		Age Structures	
	Kept	Discard	Kept	Discard		Kept	Discard	Kept	Discard
Mid-Atlantic offshore (Statistical areas 616, 622, 623, 626, 627, 632, 636)					Mid-Atlantic inshore (Statistical areas 538, 539, 611-615, 621, 625, 631, 635)				
Alewife	3	3	-	-	Alewife	3	3	-	-
Bluefish	3	3	3	3	Bass, Striped	1	1	-	-
Butterfish	2	2	2	2	Bluefish	1	1	1	1
Dogfish, Spiny	2	2	-	-	Butterfish	2	2	2	2
Flounder, Sand Dab	2	2	2	2	Croaker, Atlantic	3	3	-	-
Flounder, Summer	1	1	1	1	Dogfish, Spiny	1	1	-	-
Hake, Red	3	3	-	-	Drum, Black	3	3	-	-
Hake, Silver	2	2	-	-	Drum, Red	3	3	-	-
Herring, Atlantic	1	1	-	-	Flounder Sand Dab	1	1	1	1
Herring, Blueback	3	3	-	-	Flounder, Summer	1	1	1	1
Mackerel, Atlantic	2	2	2	2	Flounder, Winter	1	1	1	1
Monkfish	1	1	1	1	Flounder, Yellowtail	1	1	1	1
Scallop, Sea	3	3	3	3	Herring, Atlantic	2	2	-	-
Scup	1	1	1	1	Herring, Blueback	2	2	-	-
Sea Bass, Black	1	1	1	1	Lobster, American	2	1	-	-
Shad, American	3	3	-	-	Mackerel, Atlantic	2	2	2	2
Skate, Barndoor	-	2	-	-	Mackerel, Spanish	3	3	-	-

Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Skate, Rosette	2	2	-	-
Skate, Smooth	3	2	-	-
Skate, Thorny	-	2	-	-
Skate, Winter	3	3	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	1	1	-	-
Weakfish	3	3	-	-

Menhaden, Atlantic	3	3	-	-
Monkfish	1	1	1	1
Ocean Pout	2	2	-	-
Scup	2	2	2	2
Sea Bass, Black	1	1	1	1
Shad, American	3	3	-	-
Skate, Clearnose	2	2	-	-
Skate, Little	2	2	-	-
Spot	3	3	-	-
Squid, Atl. Long-fin	1	1	-	-
Squid, Short-fin	1	1	-	-
Tautog	3	3	-	-
Weakfish	1	1	-	-

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